

# WORKING DRAFT

## General

Name

ID# 51

**3M™ Breathe Easy™ 7 RRPAS™ Respirator**



Technology

Stock Number

Protection Type

Equipment Category

Availability

Current User(s)

Manufacturer

Respirator/Powered Air

4240-01-447-2829

Respiratory

Respirator, powered air

Commercially available

Not specified

3M

3M Center

Bldg. 235-2W-70

St. Paul, MN 55144-1000

Domestic

Manufacturer Type

Developer

Source

3M

3M

POC: Jean Koecher

651-736-8272 (Tel)

Certification

NIOSH-approved for certain organic vapors, acid gases and as a high efficiency filter when used with the AEP3 cartridge (4240-01-323-3530). Approval numbers available upon request

## Operational Parameters

Chemical Warfare (CW)

Agents Protected Against

Biological Warfare (BW)

Agents Protected Against

Toxic Industrial Materials

(TIMs) Protected Against

Duration of Protection

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, in Canada call 800-267-4414

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Depends on the contaminant, concentration of the contaminant, and the use conditions. Batteries provide up to 8 h service time (continuous air flow).

Recommended Use(s)

Rapid response. Designed to filter contaminants from ambient air and provide constant air flow to facepiece.

## Physical Parameters

Sizes Available

Weight

Package Size and Volume

Power Requirements

One size

10 lb

25.5 in x 15 in x 9.125 in

Rechargeable battery with up to 8 h of service life per charge. Single-use lithium battery lasts up to 10 h with a 10 yr shelf life

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<b>Material Type</b>	Neoprene facepiece. Nylon vest. Contact 3M Technical Service for full listing of parts and materials. In U.S. call 800-243-4630, in Canada call 800-267-4414
<b>Construction Type</b>	Not specified
<b>Color</b>	Black facepiece, belt, motor/blower, and battery.
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	PAPR is stored in a carrying bag that transforms into a vest with the PAPR system in place and ready for use; vest has belts and pockets for storage and support of gear Hook and loop fasteners make size adjustment quick and easy
<b>Consumables</b>	Battery, 8 h of service per charge. Lithium battery with up to 10 h service time. Various cartridges and filters available for a variety of response situations. Tested and authorized for purchase with the AP3 organic vapor/HEPA cartridge/filter under the CSEPP.
<b>Maintenance Requirements</b>	Inspection, replacement of worn parts. Fully charged battery (if using battery). See user instructions for details.
<b>Shelf Life</b>	Dependent on use conditions
<b>Transportability</b>	Easily transported
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, in Canada call 800-267-4414
<b>Unit Cost</b>	\$568
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Highly portable vest-mounted system is easy to put on and take off
<b>Use/Reuse</b>	Reusable
<b>Launderability</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, in Canada call 800-267-4414
<b>Accessories</b>	RRPAS System w/Breathe Easy 7 Facepiece, battery, and AP3 Organic Vapor/HEPA cartridge
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Training required per OSHA 1910.134 and user instructions
<b>Training Available</b>	Yes
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Preuse user inspection required each time before donning. Inspection following cleaning. Part replacement as necessary. Fit testing required before issue of equipment.
<b>Support Equipment</b>	Power unit works on either rechargeable or disposable lithium batteries with up to 8 h of service time. Cartridges and filters available for a variety of response situations.
<b>Testing Information</b>	Tested and authorized for purchase under the Chemical Stockpile Emergency Preparedness Program. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, in Canada call 800-267-4414.
<b>Applicable Regulations</b>	NIOSH, OSHA 1910.134
<b>Health Hazards</b>	Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, in Canada call 800-267-4414.

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**Communications Interface**

Not specified

**Capability**

**EOD Compatibility**

Not specified

# WORKING DRAFT

## General

Name

ID# 52

### *3M™ Breathe Easy™ Powered Air Purifying Respirator System*



## Technology

PAPRs are motorized systems that use a filter to clean ambient air before it is delivered to the breathing zone of the user. A PAPR system typically includes a blower, battery, headpiece, and a breathing tube. Powered air unit provides high airflow; available for use with a wide range of hoods, helmets and facepieces. Breathe Easy™ system with the butyl rubber hood uses a rechargeable NiCad battery and an AEP3 organic vapor/acid gas/high efficiency cartridge.

Stock Number

260-10-21LRA01

Protection Type

Respiratory

Equipment Category

PAPR. The system provides continuous flow of filtered air to the wearer. The hood can be worn with facial hair and glasses and meets military standard MIL-C-51251A for resistance to chemical and biological weapons. The system is NIOSH-approved. The PAPR does not have a tight sealing surface around the face.

Availability

Commercially available

Current User(s)

Not specified

Manufacturer

3M  
3M Center  
Bldg. 235-2W-70  
St. Paul, MN 55144-1000

Manufacturer Type

Domestic

Developer

3M

Source

3M  
POC: Jean Koecher  
651-736-8272 (Tel)

## Certification

NIOSH-approved for certain organic vapors, acid gases and as a high efficiency filter when used with the AEP3 cartridge (4240-01-323-3530). Approval numbers available upon request. MIL-C-51251A for resistance to CB agents.

## Operational Parameters

Chemical Warfare (CW)

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Agents Protected Against

Biological Warfare (BW)

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Agents Protected Against

Toxic Industrial Materials

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

(TIMs) Protected Against

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<b>Duration of Protection</b>	Depends on the contaminant, concentration of the contaminant, and the use conditions
<b>Recommended Use(s)</b>	Not specified
<b><u>Physical Parameters</u></b>	
<b>Sizes Available</b>	One size
<b>Weight</b>	8 lb
<b>Package Size and Volume</b>	17.2 in x 13.9 in x 6.9 in
<b>Power Requirements</b>	Rechargeable battery with up to 8 h of service life per charge. Single-use lithium battery lasts up to 10 h with a 10 yr shelf life
<b>Material Type</b>	Hood made of butyl rubber, which meets MIL-C-51251A. Contact 3M Technical Service for full listing of parts and materials. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Construction Type</b>	Not specified
<b>Color</b>	Olive drab hood. Black belt and motor/blower.
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	Power unit is belt-mounted for comfort
<b>Consumables</b>	Battery, 8 h of service per charge. Lithium battery with up to 10 h service time. System is NIOSH-approved with AEP3 (organic vapor/acid gas/HEPA) and AP3 (organic vapor/HEPA) cartridges and filters. Tested and authorized for purchase with the AP3 organic vapor/HEPA cartridge/filter under the CSEPP.
<b>Maintenance Requirements</b>	Inspection and replacement of worn parts. Fully charged battery (if using battery). See user instructions for details.
<b>Shelf Life</b>	Dependent on use conditions
<b>Transportability</b>	Easily transported
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Unit Cost</b>	\$517
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	None required
<b>Use/Reuse</b>	Reusable
<b>Launderability</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Accessories</b>	Breathe Easy 10 with butyl rubber hood, lithium battery, and AP3 organic vapor/HEPA cartridge
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Training required per OSHA 1910.134 and user instructions
<b>Training Available</b>	Yes
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Preuse user inspection required each time before donning. Inspection following cleaning. Part replacement as necessary. Fit testing required before issue of equipment.
<b>Support Equipment</b>	Cartridges (3) and battery charger.

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## **Testing Information**

ECBC–TR, January 2001. Contact 3M Technical Service for this information. In U.S. call 800–243–4630, and in Canada call 800–267–4414.

## **Applicable Regulations**

OSHA 1910.134

## **Health Hazards**

Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800–243–4630, and in Canada call 800–267–4414.

## **Communications Interface**

Not specified

## **Capability**

## **EOD Compatibility**

Not specified

# WORKING DRAFT

## General

Name

ID# 53

### *3M™ 5000 Series Full Facepiece Respirators*



Technology

3M™ 5000 Series Maintenance-Free Gas and Vapor Respirators are dual cartridge half facepiece respirators. They can be used against a variety of gases and vapors according to their NIOSH approvals.

Stock Number

Product No.

Small: 51916

Medium: 52916

Large: 53916

Respiratory

Protection Type

Equipment Category

Respirator, elastomeric facepiece respirators, filters, and cartridges

Availability

Commercially available

Current User(s)

Not specified

Manufacturer

3M

3M Center

Bldg. 235-2W-70

St. Paul, MN 55144-1000

Domestic

Manufacturer Type

Developer

3M

Source

3M

POC: Jean Koecher

651-736-8272 (Tel)

Certification

NIOSH-approved for certain organic vapors, acid gases, ammonia/methylamine, formaldehyde, or hydrogen fluoride, and as a P100 particulate filter when used with the 60926 cartridge (4240-01-455-7370). Approval numbers available upon request.

## Operational Parameters

Chemical Warfare (CW)

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Agents Protected Against

Biological Warfare (BW)

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Agents Protected Against

Toxic Industrial Materials

(TIMs) Protected Against

Organic vapor, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, or hydrogen fluoride cartridge with P100 particulate filter

Duration of Protection

Depends on the contaminant, concentration of the contaminant, and the use conditions

Recommended Use(s)

Not specified

## Physical Parameters

Sizes Available

Small, medium, and large

Weight

1.2 lb

Package Size and Volume

16.7 in x 12.5 in x 10.7 in

# WORKING DRAFT

## **Power Requirements**

None (when used in air purifying mode)

## **Material Type**

Silicone face seal. Contact 3M Technical Service for listing of parts and materials. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

## **Construction Type**

Not specified

## **Color**

Black facepiece

## **Logistical Parameters**

### **Ease of Use**

Lightweight facepiece is comfortable for extended use

### **Consumables**

60929 cartridges, P100 particulate filters

### **Maintenance Requirements**

Inspection and replacement of worn parts. See user instructions for details.

### **Shelf Life**

Dependent on use conditions

### **Transportability**

Easily transported

### **Operational Limitations**

Not specified

### **Environmental Conditions**

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.  
\$267

### **Unit Cost**

### **Maintenance Cost**

Not specified

### **Warranty**

Not specified

### **Don/Doff Information**

None required

### **Use/Reuse**

Reusable

### **Launderability**

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.  
Not specified

## **Accessories**

## **Special Requirements**

### **Training Requirements**

Training required per OSHA 1910.134 and user instructions

### **Training Available**

Yes

### **Manuals Available**

User manual

### **Surveillance Testing Requirements**

Preuse user inspection required each time before donning. Inspection following cleaning. Part replacement as necessary. Fit testing required before issue of equipment.

### **Support Equipment**

Cartridges (2)

### **Testing Information**

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.  
OSHA 1910.134

### **Applicable Regulations**

### **Health Hazards**

Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### **Communications Interface Capability**

Not specified

### **EOD Compatibility**

Not specified



# WORKING DRAFT

## General

**Name**

**ID# 54**

**3M™ 6000 Series Full Facepiece Respirator**



## **Technology**

3M™ 6000 Series facepieces are half and full facepiece elastomeric type. They are designed for comfort, convenience, and economy. The reusable facepieces are made of a soft, comfortable material and can be adjusted for individual fitting.

## **Stock Number**

4240-01-454-8535

## **Protection Type**

Respiratory

## **Equipment Category**

Respirator, elastomeric facepiece respirators, filters, and cartridges. 3M™ 6000 Series respirator facepieces, cartridges, filters, assemblies and accessories provide an easy-to-use, comfortable and economical way to fulfill the requirements of a respiratory protection program.

## **Availability**

Commercially available

## **Current User(s)**

Not specified

## **Manufacturer**

3M  
3M Center  
Bldg. 235-2W-70  
St. Paul, MN 55144-1000

## **Manufacturer Type**

Domestic

## **Developer**

3M

## **Source**

3M  
POC: Jean Koecher  
651-736-8272 (Tel)

## **Certification**

NIOSH-approved for certain organic vapors, acid gases, ammonia/methylamine, formaldehyde, or hydrogen fluoride, and as a P100 particulate filter when used with the 60926 cartridge (4240-01-455-7370). Approval numbers available upon request.

## Operational Parameters

### **Chemical Warfare (CW)**

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### **Agents Protected Against**

### **Biological Warfare (BW)**

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### **Agents Protected Against**

### **Toxic Industrial Materials**

Ammonia, chlorine, hydrogen chloride, hydrogen fluoride, hydrogen sulfide, and sulfur dioxide

### **(TIMs) Protected Against**

### **Duration of Protection**

Depends on the contaminant, concentration of the contaminant, and the use conditions

## **Recommended Use(s)**

Not specified

## Physical Parameters

### **Sizes Available**

Small, medium, and large

### **Weight**

1.2 lb

# WORKING DRAFT

<b>Package Size and Volume</b>	16.7 in x 12.5 in x 10.7 in
<b>Power Requirements</b>	None (when used in air purifying mode)
<b>Material Type</b>	Silicone face seal. Contact 3M Technical Service for listing of parts and materials. In U.S. call 00-243-4630, and in Canada call 800-267-4414.
<b>Construction Type</b>	Not specified
<b>Color</b>	Black facepiece
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	Lightweight facepiece is comfortable for extended use
<b>Consumables</b>	60929 cartridges and P100 particulate filters
<b>Maintenance Requirements</b>	Inspection and replacement of worn parts. See user instructions for details.
<b>Shelf Life</b>	Dependent on use conditions
<b>Transportability</b>	Easily transported
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Unit Cost</b>	\$267
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	None required
<b>Use/Reuse</b>	Reusable
<b>Launderability</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Accessories</b>	Not specified
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Training required per OSHA 1910.134 and user instructions
<b>Training Available</b>	Yes
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Preuse user inspection required each time before donning. Inspection following cleaning. Part replacement as necessary. Fit testing required before issue of equipment.
<b>Support Equipment</b>	Cartridges (2)
<b>Testing Information</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Applicable Regulations</b>	OSHA 1910.134
<b>Health Hazards</b>	Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Communications Interface Capability</b>	Not specified
<b>EOD Compatibility</b>	Not specified

# WORKING DRAFT

## General

**Name**

**ID# 55**

**3M™ 7800S-BA Full Facepiece Respirators**



**Technology**

3M™ 7000 Series respirator facepieces, cartridges, filters, accessories and quantitative fit test equipment are used to fulfill the requirements of a respirator protection program.

3M™ 7800S-BA full facepiece respirators are designed specifically for use with 3M™ SCBA. They can be used with 3M™ Escort™, SCBAG™ and 2000 Series SCBA Systems.

**Stock Number**

Not specified

**Protection Type**

Respiratory and full facepiece

**Equipment Category**

Respirator, negative-pressure, elastomeric facepiece respirators, filters, and cartridges

**Availability**

Not specified

**Current User(s)**

Not specified

**Manufacturer**

3M

3M Center

Bldg. 235-2W-70

St. Paul, MN 55144-1000

**Manufacturer Type**

Domestic

**Developer**

3M

**Source**

3M

POC: Jean Koecher

651-736-8272 (Tel)

**Certification**

Not specified

## Operational Parameters

**Chemical Warfare (CW)**

Not specified

**Agents Protected Against**

**Biological Warfare (BW)**

Not specified

**Agents Protected Against**

**Toxic Industrial Materials**

Used against organic vapors, acid gases, ammonia, methylamine, formaldehyde and particles

**(TIMs) Protected Against**

**Duration of Protection**

Not specified

**Recommended Use(s)**

Not specified

## Physical Parameters

**Sizes Available**

Facemask: small, medium, and large

Waist belt: adjustable to fit most sizes

**Weight**

Not specified

**Package Size and Volume**

Not specified

**Power Requirements**

Not specified

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<b>Material Type</b>	These facepieces are made of a soft, comfortable silicone. Waist belt, along with the belt clip assembly, holds the supplied air hose in place. It is made of a black vinyl material to resist contaminants.
<b>Construction Type</b>	Not specified
<b>Color</b>	Not specified
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	Not specified
<b>Consumables</b>	Not specified
<b>Maintenance Requirements</b>	Not specified
<b>Shelf Life</b>	Not specified
<b>Transportability</b>	Not specified
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Not specified
<b>Unit Cost</b>	Not specified
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Not specified
<b>Use/Reuse</b>	Not specified
<b>Launderability</b>	Not specified
<b>Accessories</b>	Parts include head and neck strap assemblies, eyeglass frame and mount, spectacle kit, auto-darkening lens (shades 9–12), tinted lens cover, welder's face shield (auto-darkening), welder's face shield kit, belt clip assembly, breathing tube, shoulder strap, and high pressure type supplied air hoses. Valve kits include vinyl waist belt, vinyl shoulder strap, two position exhalation valve assembly, pressure demand valve assembly, breathing tube, belt clip assembly, pressure demand adapter, and facepiece plug.
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Not specified
<b>Training Available</b>	Not specified
<b>Manuals Available</b>	Not specified
<b>Surveillance Testing Requirements</b>	Not specified
<b>Support Equipment</b>	Pressure demand systems facepieces. Replacement parts include waist belt, shoulder strap, exhalation valve, pressure demand valve, pressure demand adapter, belt clip assembly, O-rings, seals and pressure demand springs.
<b>Testing Information</b>	Not specified
<b>Applicable Regulations</b>	Not specified
<b>Health Hazards</b>	Do not use under the following conditions: While performing or observing abrasive blasting (sandblasting) operations, for fire fighting, in any atmosphere having less than the equivalent of 19.5 % oxygen by volume at sea level, and in poorly ventilated areas.
<b>Communications Interface Capability</b>	Not specified
<b>EOD Compatibility</b>	Not specified

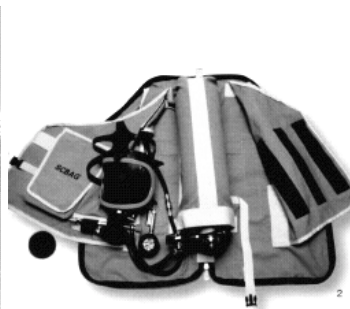
# WORKING DRAFT

## General

Name

ID# 56

3M™ SCBAG Self-Contained Breathing Apparatus



## Technology

Pressure-demand SCBA. For use in (IDLH) environments such as oxygen deficient and containing CB agents. Thirty (30) min SCBA is stored in a unique carrying bag that opens to form a vest with the SCBA system in place and ready for use. For use in environments that are IDLH such as oxygen deficient atmospheres and those containing chemical and biological agents; available with or without airline connection; and the highest level of respiratory protection available.

4240-01-418-2633

Stock Number

Protection Type

Respiratory

Equipment Category

SCBA, pressure demand

Availability

Commercially available

Current User(s)

Not specified

Manufacturer

3M

3M Center

Bldg. 235-2W-70

St. Paul, MN 55144-1000

Manufacturer Type

Domestic

Developer

3M

Source

3M

POC: Jean Koecher

651-736-8272 (Tel)

## Certification

NIOSH-approved in several configurations. Approval numbers available upon request.

## Operational Parameters

Chemical Warfare (CW)

Agents Protected Against

For use in environments that are IDLH such as oxygen deficient atmospheres and those containing chemical and biological agents. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414 .

Biological Warfare (BW)

Agents Protected Against

For use in environments that are IDLH such as oxygen deficient atmospheres and those containing chemical and biological agents. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Toxic Industrial Materials  
(TIMs) Protected Against

For use in environments that are IDLH such as oxygen deficient atmospheres and those containing chemical and biological agents. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

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<b>Duration of Protection</b>	30 min SCBA. Depends on the contaminant, concentration of the contaminant, and the use conditions.
<b>Recommended Use(s)</b>	For use in environments that are IDLH
<b><u>Physical Parameters</u></b>	
<b>Sizes Available</b>	One size
<b>Weight</b>	System weighs maximum of 22.1 lb with a 4500 psi, and 30 min cylinder
<b>Package Size and Volume</b>	26 in x 8 in x 16 in
<b>Power Requirements</b>	Supplied air line, 85psig to 125 psig, or fully charged cylinder
<b>Material Type</b>	Vest/bag is made of durable, abrasion resistant fabric for long use; silicone facepiece has integral speaking diaphragm and nose cup, nylon harness, and aluminum cylinder. Contact 3M Technical Service for full listing of parts and materials. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Construction Type</b>	Hook and loop fasteners make size adjustment very fast and easy
<b>Color</b>	Black facepiece with brown and black optional vest and yellow cylinder
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	Stored in a unique carrying bag that opens to form a vest with the SCBA system in place and ready for use. Ready and available when and where you need it.
<b>Consumables</b>	NIOSH-approved air cylinders
<b>Maintenance Requirements</b>	Inspection, replacement of worn parts, fully charged cylinder. Yearly system check, and 3 yr overhaul. See user instructions for details.
<b>Shelf Life</b>	Dependent on use conditions
<b>Transportability</b>	Easily transported
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Unit Cost</b>	\$1.2K
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Unique carrying bag that opens to form a vest with the SCBA system in place and ready for use. Ready and available when and where you need it.
<b>Use/Reuse</b>	Reusable
<b>Launderability</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Accessories</b>	SCBAG system, hoop-wrapped 4500 psi cylinder, and PBI/Kevlar vest. Available with or without airline connection; easy to read low pressure gauge.
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Training required per OSHA 1910.134 and User Instructions
<b>Training Available</b>	Yes
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Preuse user inspection required each time before donning. Inspection following cleaning. Monthly inspection required. Part replacement as necessary. Fit testing required before issue of equipment.
<b>Support Equipment</b>	Airline optional

# WORKING DRAFT

## **Testing Information**

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

## **Applicable Regulations**

NIOSH-approved; OSHA 1910.134

## **Health Hazards**

Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

## **Communications Interface**

Not specified

## **Capability**

## **EOD Compatibility**

Not specified

# WORKING DRAFT

## General

**Name**

**ID# 57**

**3M™ Belt-Mounted PAPR**



**Technology**

PAPRs are motorized systems that use a filter to clean ambient air before it is delivered to the breathing zone of the user. A PAPR system typically includes a blower, battery, headpiece, and a breathing tube. Powered air unit provides high airflow; available for use with a wide range of hoods, helmets and facepieces.

**Stock Number**

Not specified

**Protection Type**

Respiratory

**Equipment Category**

PAPR, belt mounted

**Availability**

Not specified

**Current User(s)**

Not specified

**Manufacturer**

3M  
3M Center  
Bldg. 235-2W-70  
St. Paul, MN 55144-1000

**Manufacturer Type**

Domestic

**Developer**

3M

**Source**

3M  
POC: Jean Koecher  
651-736-8272 (Tel)

**Certification**

NIOSH-approved

## Operational Parameters

**Chemical Warfare (CW)**

Not specified

**Agents Protected Against**

**Biological Warfare (BW)**

Not specified

**Agents Protected Against**

**Toxic Industrial Materials**

Not specified

**(TIMs) Protected Against**

**Duration of Protection**

Not specified

**Recommended Use(s)**

Provides cartridge and filter options for a wide variety of first response uses

## Physical Parameters

**Sizes Available**

Not specified

**Weight**

Approximate system weight: 7.1 lb

**Package Size and Volume**

Complete power system contours to hip and body for complete comfort

**Power Requirements**

Battery provides up to 8 h of service per charge

**Material Type**

7800S silicone facepiece



# WORKING DRAFT

**Construction Type** Not specified  
**Color** Not specified

## **Logistical Parameters**

**Ease of Use** Complete power system contours to hip and body for complete comfort  
**Consumables** Not specified  
**Maintenance Requirements** Not specified  
**Shelf Life** Not specified  
**Transportability** Easily transported  
**Operational Limitations** Not specified  
**Environmental Conditions** Not specified  
**Unit Cost** Not specified  
**Maintenance Cost** Not specified  
**Warranty** Not specified  
**Don/Doff Information** Vinyl waist belt and optional shoulder strap are durable and easy to decontaminate  
**Use/Reuse** Not specified  
**Launderability** Vinyl waist belt and optional shoulder strap are durable and easy to decontaminate  
**Accessories** System Components: 7800S silicone facepiece, breathing tube, motor blower, power cord, battery pack, battery charger, flow meter, blower plugs, filter plugs, and web belt

## **Special Requirements**

**Training Requirements** Not specified  
**Training Available** Not specified  
**Manuals Available** Not specified  
**Surveillance Testing Requirements** Not specified  
**Support Equipment** See accessories  
**Testing Information** Not specified  
**Applicable Regulations** Not specified  
**Health Hazards** Not specified  
**Communications Interface Capability** Not specified  
**EOD Compatibility** Not specified

# WORKING DRAFT

## General

Name

ID# 58

### *3M™ GVP Belt-Mounted Powered Air Purifying Respirator*



Technology

3M™ Belt-Mounted GVP-Series Powered Air Purifying Respirators (PAPRs) provide high-level protection and exceptional performance. These systems are available with helmets, hoods, head cover, loose-fitting facepieces, and tight-fitting facepieces.

Stock Number

4240-01-395-9180

Protection Type

Respiratory

Equipment Category

PAPR, belt mounted, and powered

Availability

Commercially available

Current User(s)

Not specified

Manufacturer

3M  
3M Center  
Bldg. 235-2W-70  
St. Paul, MN 55144-1000  
Domestic

Manufacturer Type

Developer

3M

Source

3M  
POC: Jean Koecher  
651-736-8272 (Tel)

Certification

NIOSH-approved for certain organic vapors, acid gases and as a high efficiency filter when used with the GVP-443 cartridge (4240-01-394-6336). Approval numbers available upon request.

## Operational Parameters

Chemical Warfare (CW)

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Agents Protected Against

Biological Warfare (BW)

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Agents Protected Against

Toxic Industrial Materials

(TIMs) Protected Against

3M™ GVP-Series cartridges and filters attach to the PAPR unit filter a wide variety of acid gases, organic vapors, formaldehyde, ammonia, and particles. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Duration of Protection

Depends on the contaminant, concentration of the contaminant, and the use conditions

Recommended Use(s)

Not specified

## Physical Parameters

Sizes Available

Small, medium, and large

Weight

7.1 lb

Package Size and Volume

12.4 in x 8.4 in x 8.6 in

Power Requirements

Rechargeable battery with up to 8 h of service life per charge

# WORKING DRAFT

<b>Material Type</b>	Depends on exact system selected. Contact 3M Technical Service for listing of parts and materials. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Construction Type</b>	Not specified
<b>Color</b>	Black facepiece, belt, motor/blower, and battery
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	The complete power system contours to hip and body for maximum comfort
<b>Consumables</b>	Battery (8 h of service per charge), and 3M™ GVP-Series filters
<b>Maintenance Requirements</b>	Inspection and replacement of worn parts. Fully charged battery. See User Instructions for details.
<b>Shelf Life</b>	Dependent on use conditions
<b>Transportability</b>	Easily transported
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Unit Cost</b>	\$399
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	None required
<b>Use/Reuse</b>	Reusable
<b>Laundryability</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Accessories</b>	Belt-mounted PAPR assembly; including motor blower, power cord, battery pack, battery charger, flow meter, blower plugs, and web belt
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Training required per OSHA 1910.134 and User Instructions
<b>Training Available</b>	Yes
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Preuse user inspection required each time before donning. Inspection following cleaning. Part replacement as necessary. Fit testing required before issue of equipment.
<b>Support Equipment</b>	Cartridge and battery
<b>Testing Information</b>	Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Applicable Regulations</b>	OSHA 1910.134
<b>Health Hazards</b>	Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.
<b>Communications Interface Capability</b>	Not specified
<b>EOD Compatibility</b>	Not specified

# WORKING DRAFT

## General

Name

ID# 59

*3M™ Escort Combination ESCBA/Supplied Air Respirator*



Technology

3M™ Escort™ Combination ESCBA/Supplied Air Respirator Products include the 3M™ 7800S-BA Full Facepiece (available in three sizes) with pressure demand valve, 5 min or 15 min cylinders, and nylon harness BA-3005-L

Stock Number

Protection Type

Equipment Category

Availability

Current User(s)

Manufacturer

Respiratory

Respirator, combination ESCBA, and supplied air

Commercially available

Not specified

3M

3M Center

Bldg. 235-2W-70

St. Paul, MN 55144-1000

Domestic

Manufacturer Type

Developer

Source

3M

3M

POC: Jean Koecher

651-736-8272 (Tel)

Certification

NIOSH-approved in several configurations. Approval numbers available upon request.

## Operational Parameters

Chemical Warfare (CW)

Agents Protected Against

Biological Warfare (BW)

Agents Protected Against

Toxic Industrial Materials

(TIMs) Protected Against

Duration of Protection

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Depends on the contaminant, concentration of the contaminant, and the use conditions

Not specified

Recommended Use(s)

## Physical Parameters

Sizes Available

Weight

Package Size and Volume

Power Requirements

Material Type

One size

5.3 lb

17.2 in x 13.9 in x 6.9 in

Supplied air line, 85 psig to 25 psig, or fully charged cylinder

Silicone facepiece, nylon harness, and aluminum cylinder. Contact 3M Technical Service for full listing of parts and materials. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

Construction Type

Not specified

# WORKING DRAFT

## Color

Black facepiece and belt. Yellow escape cylinder.

## Logistical Parameters

### Ease of Use

Lightweight system, and belt-mounted for comfort

### Consumables

NIOSH-approved air cylinders

### Maintenance Requirements

Inspection, replacement of worn parts, and fully charged cylinder. Yearly system check, 3 yr overhaul. See user instructions for details.

### Shelf Life

Dependent on use conditions

### Transportability

Easily transported

### Operational Limitations

Not specified

### Environmental Conditions

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### Unit Cost

\$712

### Maintenance Cost

Not specified

### Warranty

Not specified

### Don/Doff Information

None required

### Use/Reuse

Reusable

### Launderability

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### Accessories

Aluminum cylinder (5 min, 2216 psi) and valve, hoop wrapped cylinder (15 min, 3000 psi) and valve, and a wide selection of airline hoses

## Special Requirements

### Training Requirements

Training required per OSHA 1910.134 and User Instructions

### Training Available

Yes

### Manuals Available

User manual

### Surveillance Testing

### Requirements

Preuse user inspection required each time before donning. Inspection following cleaning. Monthly inspection required. Part replacement as necessary. Fit testing required before issue of equipment.

### Support Equipment

Airline

### Testing Information

Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### Applicable Regulations

OSHA 1910.134

### Health Hazards

Products may contain latex. Contact 3M Technical Service for this information. In U.S. call 800-243-4630, and in Canada call 800-267-4414.

### Communications Interface

Not specified

### Capability

### EOD Compatibility

Not specified

# WORKING DRAFT

## General

**Name**

*3M™ Full Facepiece FR-M40, military-style (replaced #54 SGE 400)*

**ID# 60**



**Technology**

Military-style respirator system, designed for emergency response situations. The 3M™ Full Facepiece FR-M40 is made of a soft, conformable silicone material with a single flanged edge for a secure seal. The 3M Cartridge FR-C2A1 can be mounted on either side of the facepiece and a drinking tube can be used without removing the facepiece. Eyepiece outserts protect the primary lens against scratches. An optional butyl rubber second skin and hood fit over the facepiece to help protect it from industrial chemicals or chemical warfare agents.

**Stock Number**

Not specified

**Protection Type**

Respiratory

**Equipment Category**

Respirator, full facepiece military-style, full facepiece respirator system featuring a cartridge with proven carbon filtering capabilities

**Availability**

November 2000

**Current User(s)**

Not specified

**Manufacturer**

3M  
3M Center  
Bldg. 235-2W-70  
St. Paul, MN 55144-1000

**Manufacturer Type**

Domestic

**Developer**

3M

**Source**

3M OH and ESD  
P.O. Box 33275  
St. Paul, MN 55133-3275  
POC: Jean Koecher  
651-736-8272 (Tel)

**Certification**

NIOSH  
The cartridge is manufactured in accordance with U.S. MIL-C51560(EA) and EA-C-1704 for chemical warfare agents

## Operational Parameters

**Chemical Warfare (CW)**

**Agents Protected Against**

It has been tested to military specifications to filter a wide range of certain chemical warfare agents such as nerve agents, tear agents, blood agents, as well as chlorine, phosgene, chloropicrin and diphenylchloroarsine  
Not specified

**Biological Warfare (BW)**

**Agents Protected Against**

**Toxic Industrial Materials**

**(TIMs) Protected Against**

Chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide, hydrogen fluoride, ammonia, and formaldehyde

# WORKING DRAFT

## **Duration of Protection**

Not specified

## **Recommended Use(s)**

This system is designed to meet the performance requirements of law enforcement agencies, security personnel, medical personnel, HAZMAT teams, emergency response technicians (EMTs), and domestic preparedness personnel

### **Physical Parameters**

#### **Sizes Available**

Not specified

#### **Weight**

Not specified

#### **Package Size and Volume**

Not specified

#### **Power Requirements**

Not specified

#### **Material Type**

Facepiece is conformable silicone material with a single flanged edge for a secure seal. An optional butyl rubber second skin and hood fit over the facepiece to help protect it from industrial chemicals or chemical warfare agents.

#### **Construction Type**

Not specified

#### **Color**

Not specified

### **Logistical Parameters**

#### **Ease of Use**

Not specified

#### **Consumables**

Not specified

#### **Maintenance Requirements**

Not specified

#### **Shelf Life**

Not specified

#### **Transportability**

Not specified

#### **Operational Limitations**

Not specified

#### **Environmental Conditions**

Not specified

#### **Unit Cost**

Not specified

#### **Maintenance Cost**

Not specified

#### **Warranty**

Not specified

#### **Don/Doff Information**

Not specified

#### **Use/Reuse**

Not specified

#### **Laundryability**

Not specified

#### **Accessories**

3M Cartridge FR-C2A1 can be mounted on either side of the facepiece and a drinking tube can be used without removing the facepiece. Eyepiece outserts protect the primary lens against scratches. An optional butyl rubber second skin and hood fit over the facepiece to help protect it from industrial chemicals or chemical warfare agents.

### **Special Requirements**

#### **Training Requirements**

Not specified

#### **Training Available**

Not specified

#### **Manuals Available**

Not specified

#### **Surveillance Testing**

Not specified

#### **Requirements**

#### **Support Equipment**

Not specified

#### **Testing Information**

Not specified

# WORKING DRAFT

## **Applicable Regulations**

NIOSH-approved for use against certain acid gases, CN, CS and as a P100 particulate filter. The cartridge is manufactured in accordance with U. S. MIL-C51560(EA) and EA-C-1704 for chemical warfare agents.

## **Health Hazards**

Not specified

## **Communications Interface**

Not specified

## **Capability**

## **EOD Compatibility**

Not specified



# WORKING DRAFT

## General

**Name**

*Scott AV 2000 AV-2000® Facepiece*

**ID# 61**



## **Technology**

The advanced AV-2000 facepiece gives new meaning to the term flexibility. It is designed to be interchangeable with the Scott full line of SCBA, air-supplied and air-purifying respirators as well as the complete line of communications products. The AV-2000 minimizes equipment inventories and simplifies user training. This state-of-the-art facepiece is the key to a wide range of Scott products.

**Stock Number**

Not specified

**Protection Type**

Respiratory

**Equipment Category**

Facepiece, designed to be interchangeable with SCBA, air-supplied and air-purifying respirators

**Availability**

Not specified

**Current User(s)**

Not specified

**Manufacturer**

Scott Health and Safety

**Manufacturer Type**

Domestic

**Developer**

Scott Health and Safety

**Source**

Lifecycle Plan SNL-795, September 30, 1998

**Certification**

Not specified

## Operational Parameters

**Chemical Warfare (CW)**

Not specified

**Agents Protected Against**

**Biological Warfare (BW)**

Not specified

**Agents Protected Against**

**Toxic Industrial Materials**

Not specified

**(TIMs) Protected Against**

**Duration of Protection**

Not specified

**Recommended Use(s)**

Not specified

## Physical Parameters

**Sizes Available**

Not specified

**Weight**

Not specified

**Package Size and Volume**

Not specified

**Power Requirements**

Not specified

**Material Type**

Not specified

**Construction Type**

Not specified

**Color**

Not specified

# WORKING DRAFT

## Logistical Parameters

<b>Ease of Use</b>	Not specified
<b>Consumables</b>	Not specified
<b>Maintenance Requirements</b>	Not specified
<b>Shelf Life</b>	Not specified
<b>Transportability</b>	Not specified
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Not specified
<b>Unit Cost</b>	Not specified
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Not specified
<b>Use/Reuse</b>	Not specified
<b>Laundryability</b>	Not specified
<b>Accessories</b>	Not specified

## Special Requirements

<b>Training Requirements</b>	Not specified
<b>Training Available</b>	Not specified
<b>Manuals Available</b>	Not specified
<b>Surveillance Testing Requirements</b>	Not specified
<b>Support Equipment</b>	Not specified
<b>Testing Information</b>	Not specified
<b>Applicable Regulations</b>	Not specified
<b>Health Hazards</b>	Not specified
<b>Communications Interface Capability</b>	It is designed to be compatible with a complete line of communications products
<b>EOD Compatibility</b>	Not specified

# WORKING DRAFT

## General

**Name**

*Scott C420 Variflo™ PAPR*

**ID# 62**



**Technology**

PAPR Connects to AV 2000 by 40 mm adapter

**Stock Number**

Not specified

**Protection Type**

Respiratory

**Equipment Category**

PAPR

**Availability**

Commercial

**Current User(s)**

U.S. Military and NATO

**Manufacturer**

Scott Health and Safety

**Manufacturer Type**

Domestic

**Developer**

Scott Health and Safety

**Source**

Scott Health and Safety Slides

**Certification**

NFPA, OSHA, NIOSH, and DOJ Foundation

## Operational Parameters

**Chemical Warfare (CW)**

Not supplied

**Agents Protected Against**

Not specified

**Biological Warfare (BW)**

**Agents Protected Against**

Not specified

**Toxic Industrial Materials**

**(TIMs) Protected Against**

**Duration of Protection**

Not specified

**Recommended Use(s)**

HAZMAT, Utility Companies, Hospitals, SWAT, airports, DOE, DOJ, ATF, DOT, and public arena security

## Physical Parameters

**Sizes Available**

Not specified

**Weight**

Not specified

**Package Size and Volume**

Not specified

**Power Requirements**

Battery and motor

**Material Type**

Not specified

**Construction Type**

Not specified

**Color**

Not specified

## Logistical Parameters

**Ease of Use**

Not specified

**Consumables**

Uses existing NBC cans  
C2A1/HEPA/P100

# WORKING DRAFT

<b>Maintenance Requirements</b>	Not specified
<b>Shelf Life</b>	Not specified
<b>Transportability</b>	Not specified
<b>Operational Limitations</b>	Ideal for long work periods of detection or decontamination. Supports wearers who have Pulmonary challenges; provides limited relief in warm and hot weather.
<b>Environmental Conditions</b>	Not specified
<b>Unit Cost</b>	Not specified
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Not specified
<b>Use/Reuse</b>	Not specified
<b>Launderability</b>	Not specified
<b>Accessories</b>	Facepiece
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Not specified
<b>Training Available</b>	Not specified
<b>Manuals Available</b>	Not specified
<b>Surveillance Testing Requirements</b>	Not specified
<b>Support Equipment</b>	Filters
<b>Testing Information</b>	Not specified
<b>Applicable Regulations</b>	Not specified
<b>Health Hazards</b>	Not specified
<b>Communications Interface Capability</b>	EZ Radio, Envoy radioxon, Con Space Link, voice amplifier, and enhancements
<b>EOD Compatibility</b>	Not specified

# WORKING DRAFT

## General

**Name**

**ID# 63**

*PAN1 Dual Cartridge Full Face Respirator*



**Technology**

Dual cartridge negative pressure respirator. Panoramic respirators are outstandingly effective, combining excellent protection with superior comfort. The latest in materials technology and innovative engineering has successfully industrialized a proven military design into a lightweight, ergonomically correct facepiece with a soft, comfortable, yet firm fit. Respirator; dual cartridge negative pressure respirator.

**Stock Number**

PAN1

**Protection Type**

Respiratory

**Equipment Category**

Respirator and dual cartridge negative pressure

**Availability**

Commercial

**Current User(s)**

Safety market

**Manufacturer**

Shalon Chemical Industries Ltd.  
25, Nahmani St.  
Tel-Aviv 65794, Israel  
Kenneth Samet, Quality Assurance Manager  
972-8-6879111 (Tel)  
972-8-6811115 (Fax)

U.S. Distribution:  
Sellstrom Manufacturing Co.  
Palatine, IL 60067  
847-358-2000 (Tel)  
847-358-8564 (Fax)

Neoterik Health Tech. Inc.  
Woodsboro, MD 21798  
301-845-2777 (Tel)  
301-845-2213 (Fax)

**Manufacturer Type**

Foreign

**Developer**

Shalon Chemical Industries

**Source**

Internet: [www.doryanet.co.il/Shalon/23.htm](http://www.doryanet.co.il/Shalon/23.htm)  
[www.shalon.co.il](http://www.shalon.co.il)  
[shalon@shalon.co.il](mailto:shalon@shalon.co.il)  
NIOSH

**Certification**

## Operational Parameters

**Chemical Warfare (CW)**

Protection provided is dependent on the type of filter cartridges that are used (see accessories)

**Agents Protected Against**

# WORKING DRAFT

**Biological Warfare (BW)  
Agents Protected Against  
Toxic Industrial Materials  
(TIMs) Protected Against  
Duration of Protection  
Recommended Use(s)**

Protection provided is dependent on the type of filter cartridges that are used (see accessories)

Protection provided is dependent on the type of filter cartridges that are used (see accessories)

Not specified

Civil defense, industrial, and safety market

## Physical Parameters

**Sizes Available**

One size fits all

**Weight**

Lightweight with effective lasting protection for extended duration wear

**Package Size and Volume**

Cardboard box, 11 1/4 in x 6 1/4 in x 6 in

**Power Requirements**

Not applicable

**Material Type**

Specially formulated rubber material combining superior chemical permeation resistance and durability, with smooth soft feel. Also available with silicone facepiece.

**Construction Type**

Integral nose-cup with controlled air flow; highly elasticized head harness; and facepiece support

**Color**

Black (blue and yellow available in silicone)

## Logistical Parameters

**Ease of Use**

Lightweight and ergonomically correct facepiece. Highly elasticized head harness with quick-release buckles with rollers for easy donning, simple adjustment and fast removal.

**Consumables**

Filters

**Maintenance Requirements**

Not specified

**Shelf Life**

Not specified

**Transportability**

Easily transportable

**Operational Limitations**

Not specified

**Environmental Conditions**

Normal environments

**Unit Cost**

Less than \$150

**Maintenance Cost**

Not specified

**Warranty**

Not specified

**Don/Doff Information**

Highly elasticized head harness with quick-release buckles with rollers for easy donning, simple adjustment and fast removal

**Use/Reuse**

Not specified

**Launderability**

Can be cleaned and reused many times

**Accessories**

Types of cartridges available: OV, AG, OV/AG, AM/MA, P100, N95, OV-P100, AG-P100, OV/AG-P100, and AM/MA-P100

## Special Requirements

**Training Requirements**

Little training required

**Training Available**

Not specified

**Manuals Available**

User manual

**Surveillance Testing**

Not specified

**Requirements**

**Support Equipment**

Not applicable

**Testing Information**

Not specified

**Applicable Regulations**

Not specified

**Health Hazards**

Not specified

# WORKING DRAFT

## **Communications Interface**

Speaking diaphragm for clear voice communication.

## **Capability**

## **EOD Compatibility**

Not specified

# WORKING DRAFT

## General

**Name**

**ID# 64**

**PAN2 Single Filter Canister**



## **Technology**

Canister type with standard 40 mm threaded connection for single filter canister. Panoramic respirators are outstandingly effective, combining excellent protection with superior comfort. The latest in materials technology and innovative engineering has successfully industrialized a proven military design into a lightweight, ergonomically correct facepiece with a soft, comfortable, yet firm fit. Respirator; single canister type respirator with standard 40 mm threaded connection.

**Stock Number**

PAN2

**Protection Type**

Respiratory

**Equipment Category**

Respirator/single canister type respirator with standard connection

**Availability**

Commercial

**Current User(s)**

Safety market and several police forces

**Manufacturer**

Shalon Chemical Industries Ltd.  
25, Nahmani St.  
Tel-Aviv 65794, Israel  
POC: Kenneth Samet, Quality Assurance Manager  
972-8-6879111 (Tel)  
972-8-6811115 (Fax)

U.S. Distribution:  
Sellstrom Manufacturing Co.  
Palatine, IL 60067  
847-358-2000 (Tel)  
847-358-8564 (Fax)

Neoterik Health Tech. Inc.  
Woodsboro, MD 21798  
301-845-2777 (Tel)  
301-845-2213 (Fax)  
Foreign

**Manufacturer Type**

Shalon Chemical Industries

**Developer**

Internet: [www.doryanet.co.il/Shalon/23.htm](http://www.doryanet.co.il/Shalon/23.htm)

**Source**

[www.shalon.co.il](http://www.shalon.co.il)

[shalon@shalon.co.il](mailto:shalon@shalon.co.il)

**Certification**

EN-136 approved respirator

## Operational Parameters

**Chemical Warfare (CW)**

Protection provided is dependent on the type of filter canister that is used (see accessories)

**Agents Protected Against**



# WORKING DRAFT

<b>Biological Warfare (BW)</b>	Not specified
<b>Agents Protected Against</b>	
<b>Toxic Industrial Materials (TIMs) Protected Against</b>	Not specified
<b>Duration of Protection</b>	Not specified
<b>Recommended Use(s)</b>	Civil defense, military, police, and industrial safety
<b><u>Physical Parameters</u></b>	
<b>Sizes Available</b>	One size fits all
<b>Weight</b>	Lightweight with effective lasting protection for extended duration wear
<b>Package Size and Volume</b>	Cardboard box, 11 1/4 in x 6 1/4 in x 6 in
<b>Power Requirements</b>	Not applicable
<b>Material Type</b>	Specially formulated rubber material combining superior chemical permeation resistance and durability, with smooth soft feel. Also available with silicone facepiece.
<b>Construction Type</b>	Integral nose-cup with controlled air flow; highly elasticized head harness; and facepiece support
<b>Color</b>	Black (blue and yellow available in silicone)
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	Lightweight and ergonomically correct facepiece. Highly elasticized head harness with quick-release buckles with rollers for easy donning, simple adjustment and fast removal.
<b>Consumables</b>	Filters
<b>Maintenance Requirements</b>	Not specified
<b>Shelf Life</b>	Not specified
<b>Transportability</b>	Easily transportable
<b>Operational Limitations</b>	Not specified
<b>Environmental Conditions</b>	Normal environments
<b>Unit Cost</b>	Less than \$150
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Highly elasticized head harness with quick-release buckles with rollers for easy donning, simple adjustment and fast removal
<b>Use/Reuse</b>	Not specified
<b>Launderability</b>	Can be cleaned and reused many times
<b>Accessories</b>	Types of filter canisters available: M80 NBC canister (Israeli Defense Forces NBC filter canister), M38 NBC canister (performance equivalent to U.S. Military C2 NBC canister), A2, A2-P3, A2B2E2-P3, and A2B2E2K2-P3
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Little training required
<b>Training Available</b>	Not specified
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Not specified
<b>Support Equipment</b>	Not applicable
<b>Testing Information</b>	Not specified
<b>Applicable Regulations</b>	Not specified

# WORKING DRAFT

**Health Hazards**

Not specified

**Communications Interface**

Speaking diaphragm for clear voice communication

**Capability**

**EOD Compatibility**

Not specified

# WORKING DRAFT

## General

**Name**

**ID# 65**

*Model 4A1 NBC Respirator (69)*



**Technology**

NBC respirators for civil defense are designed to protect the eyes, face, and respiratory tract of adults and children over the age of 8 yr, from all known NBC agents. Shalon civilian respirators are the standard approved NBC respirators of the Israeli Civil Defense Authorities.

**Stock Number**

Four models available:

4A1—Adult respirator—one size fits all

10A1—protection of children from age 8 yr and older

Models 4 and 10 are identical to models 4A1 and 10A1 but without voicemitter and drinking system

Panoramic model—single curved impact resistant plastic lense with improved peripheral vision. One size fits all. Designed primarily for industrial and laboratory workers.

**Protection Type**

Respiratory and percutaneous

**Equipment Category**

Respirator/single canister type respirator with standard connection

**Availability**

Commercial

**Current User(s)**

Civil defense

**Manufacturer**

Shalon Chemical Industries Ltd.

25, Nahmani St.

Tel-Aviv 65794, Israel

POC: Kenneth Samet, Quality Assurance Manager

972-8-6879111 (Tel)

972-8-6811115 (Fax)

U.S. Distribution:

Sellstrom Manufacturing Co.

Palatine, IL 60067

847-358-2000 (Tel)

847-358-8564 (Fax)

**Manufacturer Type**

Neoterik Health Tech. Inc.

Woodsboro, MD 21798

301-845-2777 (Tel)

301-845-2213 (Fax)

Foreign

**Developer**

Shalon Chemical Industries

**Source**

Internet: [www.doryanet.co.il/Shalon/23.htm](http://www.doryanet.co.il/Shalon/23.htm)

[www.shalon.co.il](http://www.shalon.co.il)

[shalon@shalon.co.il](mailto:shalon@shalon.co.il)

**Certification**

Not specified

# WORKING DRAFT

## Operational Parameters

<b>Chemical Warfare (CW) Agents Protected Against</b>	All known NBC agents
<b>Biological Warfare (BW) Agents Protected Against</b>	All known NBC agents
<b>Toxic Industrial Materials (TIMs) Protected Against</b>	Not specified
<b>Duration of Protection</b>	Not specified
<b>Recommended Use(s)</b>	Civil defense, laboratory workers, and industrial safety

## Physical Parameters

<b>Sizes Available</b>	Adult model 4A1 (one size fits all) Child model 10A1 (ages 8 and older)
<b>Weight</b>	Lightweight and specially designed for extended use with superior comfort, secure fit, and low breathing resistance
<b>Package Size and Volume</b>	Not specified
<b>Power Requirements</b>	Not applicable
<b>Material Type</b>	Specially formulated impermeable rubber material for high resistance to NBC agents. Impact resistant plastic lenses with excellent optics. Elastic head harness.
<b>Construction Type</b>	The adult model incorporates a uniquely designed peripheral sealing lip for a high level of protection for most male and female users
<b>Color</b>	Black

## Logistical Parameters

<b>Ease of Use</b>	Five-strap highly elastic head harness for quick easy donning and simple adjustment
<b>Consumables</b>	Filters
<b>Maintenance Requirements</b>	Not specified
<b>Shelf Life</b>	Durable and 20 yr shelf life
<b>Transportability</b>	Easily transportable
<b>Operational Limitations</b>	Drinking system with safety connections for effortless safe drinking in contaminated environments. Comfortable nose cup with controlled air flow to eliminate internal fogging and CO <sub>2</sub> buildup. Low breathing resistance.
<b>Environmental Conditions</b>	Normal environments
<b>Unit Cost</b>	Not specified
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Five-strap highly elasticized head harness for easy donning, simple adjustment and fast removal
<b>Use/Reuse</b>	Not specified
<b>Launderability</b>	Can be cleaned and reused many times
<b>Accessories</b>	All models supplied with Shalon's NBC filter canister Type 80, and NATO standard 40 mm threaded canister housing

## Special Requirements

<b>Training Requirements</b>	Little training required
<b>Training Available</b>	Not specified
<b>Manuals Available</b>	User manual
<b>Surveillance Testing Requirements</b>	Not specified

# WORKING DRAFT

<b>Support Equipment</b>	Drinking system with safety connections
<b>Testing Information</b>	Not specified
<b>Applicable Regulations</b>	Not specified
<b>Health Hazards</b>	Not specified
<b>Communications Interface</b>	Voicemitter providing clear effective communication
<b>Capability</b>	
<b>EOD Compatibility</b>	Not specified

# WORKING DRAFT

## General

**Name**

**ID# 66**

*M15-A30 NBC Respirator*



**Technology**

Military respirators are the standard official Israel Defense Forces NBC respirator. They are intended for military and police personnel, providing eye, face, and respiratory protection against all known NBC agents. Their design affords optimum comfort and fit, while causing minimal interference with performance of required military drills such as tactical movement, employment of weapons, and effective communication.

**Stock Number**

Four models available:

M15-A30—economical version of the military respirator (M15-A1T), without a voicemitter or a drinking system (this model has wide applications with the police and civil defense)

M15-A1T—standard official Israeli NBC respirator featuring a side voicemitter for telephone communication

M15-A1—identical to the M15-A1T, but without the side voicemitter

M15-S80—standard Israeli respirator fit tank crews featuring a built-in dynamic microphone and flexible rubber breathing tube

**Protection Type**

Respiratory and percutaneous

**Equipment Category**

Respirator/single canister type respirator with standard and military connection

**Availability**

Commercial

**Current User(s)**

Military, police, and civil defense

**Manufacturer**

Shalon Chemical Industries Ltd.

25, Nahmani St.

Tel-Aviv 65794, Israel

POC: Kenneth Samet, Quality Assurance Manager

972-8-6879111 (Tel)

972-8-6811115 (Fax)

**Manufacturer Type**

U.S. Distribution:

Sellstrom Manufacturing Co.

Palatine, IL 60067

847-358-2000 (Tel)

**Developer**

Foreign

**Source**

Shalon Chemical Industries

Internet: [www.doryanet.co.il/Shalon/23.htm](http://www.doryanet.co.il/Shalon/23.htm)

[www.shalon.co.il](http://www.shalon.co.il)

[shalon@shalon.co.il](mailto:shalon@shalon.co.il)

**Certification**

NIOSH

## Operational Parameters

**Chemical Warfare (CW)**

All known NBC agents

**Agents Protected Against**

# WORKING DRAFT

<b>Biological Warfare (BW)</b>	All known NBC agents
<b>Agents Protected Against</b>	All known NBC agents
<b>Toxic Industrial Materials (TIMs) Protected Against</b>	Not specified
<b>Duration of Protection</b>	Civil defense, military, police, and industrial safety
<b>Recommended Use(s)</b>	
<b><u>Physical Parameters</u></b>	
<b>Sizes Available</b>	All models supplied in 3 sizes (small, medium, and large)
<b>Weight</b>	Lightweight, with a comfortable secure fit and low breathing resistance
<b>Package Size and Volume</b>	Not specified
<b>Power Requirements</b>	Not applicable
<b>Material Type</b>	Specially formulated rubber material for high resistance to NBC agents, superior comfort and durability. Impact resistant cylindrical plastic lenses with wide field of vision. Five-strap highly elastic head harness with quick release buckles.
<b>Construction Type</b>	Three overlapping face-piece sizes assuring reliable fit for over 98 % of mature male and female users. Peripheral sealing lip assuring excellent fit.
<b>Color</b>	Black
<b><u>Logistical Parameters</u></b>	
<b>Ease of Use</b>	Five-strap highly elastic head harness equipped with quick release buckles for quick easy donning and simple adjustment
<b>Consumables</b>	Filters
<b>Maintenance Requirements</b>	Not specified
<b>Shelf Life</b>	Durable and 20 yr shelf life
<b>Transportability</b>	Easily transportable
<b>Operational Limitations</b>	Drinking system with safety connections for safe drinking in contaminated environments providing extra comfort and extended wear in hot climates and during vigorous drills or exercises. Spectacles mount assemble for prescription eyeglasses. Impact resistant cylindrical plastic lenses with wide field of vision. Low breathing resistance.
<b>Environmental Conditions</b>	Normal environments
<b>Unit Cost</b>	Not specified
<b>Maintenance Cost</b>	Not specified
<b>Warranty</b>	Not specified
<b>Don/Doff Information</b>	Five-strap highly elasticized head harness with quick-release buckles with rollers for easy donning, simple adjustment and fast removal
<b>Use/Reuse</b>	Not specified
<b>Launderability</b>	Can be cleaned and reused many times
<b>Accessories</b>	All models supplied with Shalon's NBC filter canister Type 80, and NATO standard 40 mm threaded canister housing
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	Little training required
<b>Training Available</b>	Not specified
<b>Manuals Available</b>	User manual
<b>Surveillance Testing</b>	Not specified
<b>Requirements</b>	
<b>Support Equipment</b>	Drinking system with safety connections

# WORKING DRAFT

<b>Testing Information</b>	Not specified
<b>Applicable Regulations</b>	Not specified
<b>Health Hazards</b>	Not specified
<b>Communications Interface</b>	Dynamic microphone system for communication in tanks and armored vehicles (available only in M15-S80 model)
<b>Capability</b>	Side or central voicemitter for telephone communications
<b>EOD Compatibility</b>	Not specified



# WORKING DRAFT

## General

**Name**

*SE400 Fan Supplied, Positive Pressure Respirator (FPBR)*

**ID# 67**



**Technology**

The SE400 is a breath responsive, computerized positive pressure PAPR with data logging and positive pressure suit ventilation capability

**Stock Number**

99-10000

NATO Stock Numbers:

0465-66-147-005—Backpack, fan unit, and air filtering respirator

7030-66-147-0053—Software kit, diagnostics, and respirator air filtering

0405-66-147-0846—Belt, waist, respirator fan unit, and short size

0405-66-147-0047—Belt, waist, respirator fan unit, and long size  
Respiratory

**Protection Type**

PAPR, positive pressure, and powered respirator

**Equipment Category**

Commercial

**Availability**

**Current User(s)**

Special Operation Response Team Inc., SORT, NC

POC: Walt Caplan 336-759-3924 (Tel)

Office of Emergency Preparedness/National Disaster Medical System, MD

POC: Bob Cornish 301-443-1307 (Tel)

U.S. Army Soldier and Biological Chemical Command

POC: Team Leader Frank DiPietro 410-436-2223 (Tel)

City of Indianapolis Department of Public Safety

POC: Director Stephen Robertson 317-327-3900 (Tel)

City of Pittsburgh Department of Public Safety

POC: Operations Supervisor Raymond V. DeMichiei 412-255-2293 (Tel)

Australian Defense Force (Joint Incident Response Unit, JIRU, CBRR Squadron); NSW Police Force (Bomb Investigation and Rorensics); NSW Health Dept. (emergency groups); Mt Isa Mines; Pasminco Mining Group

**Manufacturer**

SEA Group

11 Business Park Drive

Branford, CT 06405

POC: Bengt Kjellberg, President

203-483-9483 (Tel)

203-483-6633 (Fax)

888-732-3500 (Toll Free U.S. and Canada)

Email :bengtk@sea.com.au

<http://www.sea.com.au>

Foreign

**Manufacturer Type**

SEA Group

**Developer**

**Source**

Brochure and Internet <http://www.sea.com.au>

**Certification**

NIOSH, CE, and Australian work cover

# WORKING DRAFT

## Operational Parameters

**Chemical Warfare (CW)  
Agents Protected Against  
Biological Warfare (BW)  
Agents Protected Against**

Tested and passed GB test

**Toxic Industrial Materials  
(TIMs) Protected Against  
Duration of Protection**

Virus and bacterial with P-100 filter. Specification available on request.  
Call 1-888-732 (ask for document regarding Performance Domestic Preparedness Filter).

Acid gases, organic vapors and ammonia, as per NIOSH requirements

**Recommended Use(s)**

Meets NIOSH requirements. Batteries will last 4 h to 6 h (heads up display when to change filters)  
In an environment where guaranteed high protection factor, low breathing resistance in combination with long duration time and low weight is needed in combination with data logging and positive pressure suite ventilation

## Physical Parameters

**Sizes Available**

Size options available on facepiece only:

Full face mask: One size available

Half mask: Small, medium, and large

Complete SE 400 unit 8 lb (including battery and chemical warfare filters)

**Weight**

**Package Size and Volume**

The SE400 is supplied in 2 cartons. Carton one contains the fan unit and accessories; carton two contains the full-face mask.

Carton one: 20 in x 11 in x 5.5 in

Carton two: 9.4 in x 9.4 in x 7.3 in

**Power Requirements**

Battery: 12 V dc NiMH rechargeable and custom battery designed for SE400 available from SEA

**Material Type**

Not applicable

**Construction Type**

Not applicable

**Color**

Fan unit: Blue/black

Hose: Black

Full-face mask: Black

## Logistical Parameters

**Ease of Use**

The SE400 can be fitted to a standard SEA waist belt, padded waist belt, or a custom designed backpack. The choice of fittings gives the wearer the greatest flexibility for various working conditions. The SE400 has a single push-button operation. The breath responsive feature is automatic and requires no user intervention. Warning conditions are easily identified by five (5) indicators on the fan unit and a tri-color (red/orange/green) indicator located at the facepiece.

**Consumables**

Gas and particle filters: domestic preparedness filter—50032; prefilters—27

**Maintenance Requirements**

The SE400 has a built-in self-test feature and it is recommended, but not essential, that a self-test be performed prior to each shift. The SE400 has built-in diagnostics for checking critical system function and system voltages. If an error is detected, this is recorded in the system log and an alarm sounded to notify the wearer.

**Shelf Life**

4 °F to 131 °F storage temperature

**Transportability**

The SE400 can be transported without the need for any special equipment

**Operational Limitations**

The SE400 is virtually free of breathing resistance therefore there is very little additional workload so the user can perform normal work for longer periods without suffering discomfort

**Environmental Conditions**

Regulator tested for equivalent 3 yr harsh conditions.

Fan unit: 32 °F to 131 °F operating temperature; 0 % to 90 % relative humidity operation

# WORKING DRAFT

<b>Unit Cost</b>	Approx \$2K for SE 400 complete with 2 rechargeable batteries, harness, test and computer interface cables, speaker box, belt, and software for SE400
<b>Maintenance Cost</b>	No tools
<b>Warranty</b>	3 yr or 6000 h warranty on motor and circuit board. 12 mo on manufacturing defects (not including wear and tear)
<b>Don/Doff Information</b>	There is no assistance required for the donning on or off of the SE400. An experienced operator can comfortably fit the SE400 within 2 min.
<b>Use/Reuse</b>	The only items to be discarded are the consumables (i.e., the filters and prefilters). Disposing of the filters depends on the environment in which they have been used and the type of contaminant they have been filled with.
<b>Launderability</b>	The SE400 can be cleaned using a damp cloth, this information is available in the user manual
<b>Accessories</b>	Mask unit, regulator, fan unit, battery, data log, and computer interface cable
<b><u>Special Requirements</u></b>	
<b>Training Requirements</b>	No specific training required other than to read the manual. Fifteen (15) min will give the user the basic operational understanding. Further training is required for the user to understand the maintenance and care of the SE400
<b>Training Available</b>	SEA can provide full training for use, maintenance, and care of the SE400. Typical duration is 1 d
<b>Manuals Available</b>	A user manual is supplied with the SE400. Training documentation can be provided.
<b>Surveillance Testing Requirements</b>	The unit features a comprehensive auditing and record-keeping data log that monitors important events
<b>Support Equipment</b>	Sundrom gas and particle filters
<b>Testing Information</b>	Footnotes: 1) Grandjean E. (1988) Fitting the mask to the man, 4th ed, London, pp 83–94. 2) A study of the relation between minute volume and instantaneous peak flows, Sydney 3) Johnson, A.T., et al, Effect of Respirator Inspiratory Level on Constant Load Treadmill Work Performance, Univ. of Maryland, presented at the American Hygienists' Conference, Dallas, TX. 4) Tested by U.S. Army SBCCOM Edgewood Biological and Chemical Center, Aberdeen Proving Ground, MD. Tested and passed GB test. Test parameters available on request 888–732–3500 (Tel). Specification available on request. Call 888–732–3500 and ask for document regarding Performance Domestic Preparedness Filter.
<b>Applicable Regulations</b>	NIOSH, CE
<b>Health Hazards</b>	Not specified
<b>Communications Interface Capability</b>	SE-TALK—a miniature loudspeaker that connects to the respirator unit. It can be clipped to a breast pocket or belt.
<b>EOD Compatibility</b>	

# WORKING DRAFT

## General

**Name**

*Survivair™ Cougar SCBA*

**ID# 68**



**Technology**

The Survivair Cougar SCBA meets the demands of industrial users who want the finest respiratory protection against environments that are IDLH, but do not require the performance of an NFPA-compliant SCBA

**Stock Number**

Not specified

**Protection Type**

Respiratory

**Equipment Category**

SCBA. The design eliminates unnecessary fire fighting features, keeping costs under control for today's dollar-conscious industrial users, yet providing maximum safety and comfort.

**Availability**

Commercially

**Current User(s)**

Not specified

**Manufacturer**

Survivair  
A Division of Bacou USA Safety, Inc.  
3001 South Susan Street  
Santa Ana, CA 92704

**Manufacturer Type**

Survivair

**Developer**

Bullard

**Source**

[www.survivair.com](http://www.survivair.com)  
POC: Lisa Mork APR Product Manager  
800-APR-SCBA Tel  
714-850-0299 (Fax)  
[techcomm@deltanet.com](mailto:techcomm@deltanet.com)  
[www.survivair.com](http://www.survivair.com)

**Certification**

Not specified

## Operational Parameters

**Chemical Warfare (CW)**

Not specified

**Agents Protected Against**

**Biological Warfare (BW)**

Not specified

**Agents Protected Against**

**Toxic Industrial Materials (TIMs) Protected Against**

The Survivair Cougar has respiratory protection against environments that are IDLH

**Duration of Protection**

Not specified

**Recommended Use(s)**

Not specified

# WORKING DRAFT

## Physical Parameters

### **Sizes Available**

Available in small and standard sizes in blue and black. (Classic™ facepiece).

### **Weight**

One of the lightest, easiest to use, and most comfortable backpacks in the industry

### **Package Size and Volume**

Not specified

### **Power Requirements**

All Survivair PAPRs have powerful motors that provide high airflow rates that exceed the NIOSH requirements for loose and tight fitting headpieces. All PAPRs feature long-lasting battery packs with trouble-free recharging. Battery packs feature a quick-connect power cord and auto-reset fuse, and a rated 8 h life to last a full work shift.

### **Material Type**

Silicone rubber, five-strap head harness and skirt, optional Headnet™, easily removable exhalation valve, better sealing ability for improved comfort and fit. Mesh style head harness for those who prefer this style.

### **Construction Type**

One of the lightest, easiest-to-use, and most comfortable backpacks in the industry. No bolts or screws on harness for quick, easy disassembly and assembly. Conveniently holds regulator in activated stand-by position. Keeps contaminants and water out of disconnected regulator.

### **Color**

Available in three color-coded sizes. (TwentyTwenty® facepiece).

## Logistical Parameters

### **Ease of Use**

Compact, low profile Air Klic™ fastening system First-Breath-On. Better downward vision, less chance of damage. Allows attachment in any orientation. Activation of unit without free flow. Can be kept in stand-by mode.

### **Consumables**

Not specified

### **Maintenance Requirements**

Fast and easy servicing

### **Shelf Life**

Not specified

### **Transportability**

Not specified

### **Operational Limitations**

Unsurpassed comfort and even in extreme heat or cold

### **Environmental Conditions**

Durable. Will not oxidize or react with ozone.

### **Unit Cost**

Not specified

### **Maintenance Cost**

First stage regulator. Minimal moving parts dramatically enhances reliability, while reducing maintenance costs

### **Warranty**

Not specified

### **Don/Doff Information**

Not specified

### **Use/Reuse**

Not specified

### **Launderability**

Not specified

### **Accessories**

Backpack

## Special Requirements

### **Training Requirements**

Not specified

### **Training Available**

Not specified

### **Manuals Available**

Not specified

### **Surveillance Testing**

Not specified

### **Requirements**

### **Support Equipment**

Gauge and alarm assembly

### **Testing Information**

Not specified

### **Applicable Regulations**

Not specified

# WORKING DRAFT

**Health Hazards**

Not specified

**Communications Interface**

Not specified

**Capability**

**EOD Compatibility**

Not specified

# WORKING DRAFT

## General

Name

ID# 69

### *Survivair™ Belt Mounted PAPR*



## Technology

PAPR; Maximum airflow, and hassle free operation.

All Survivair PAPRs have powerful motors that provide high airflow rates, which exceed the NIOSH requirements for loose and tight fitting headpieces. All PAPRs feature long-lasting battery packs with trouble-free recharging. Battery packs feature a quick-connect power cord and auto-reset fuse, and a rated 8 h life to last a full work shift.

Stock Number

Name from ERDEC-TR

Protection Type

Respiratory

Equipment Category

PAPR, maximum air flow, with motors, and recharging battery pack

Availability

Commercially

Current User(s)

Not specified

Manufacturer

Survivair

A Division of Bacou USA Safety, Inc.

3001 South Susan Street

Santa Ana, CA 92704

Survivair

Manufacturer Type

Bullard

Developer

Source

[www.survivair.com](http://www.survivair.com)

POC: Lisa Mork APR Product Manager

800-APR-SCBA Tel

714-850-0299 (Fax)

[techcomm@deltanet.com](mailto:techcomm@deltanet.com)

[www.survivair.com](http://www.survivair.com)

## Certification

NIOSH Approval No. TC-23C-1053; Intrinsically Safe. All PAPRs have been tested and listed by SGS U.S. Testing Company, Inc., as meeting the ANSI/UL 913 standard for intrinsically safe apparatus for use in Class 1, Division 1, Groups A, B, C, and D hazardous locations.

## Operational Parameters

Chemical Warfare (CW)

Not specified

Agents Protected Against

Biological Warfare (BW)

Not specified

Agents Protected Against

Toxic Industrial Materials

Not specified

(TIMs) Protected Against

Duration of Protection

Not specified

Recommended Use(s)

Not specified

# WORKING DRAFT

## Physical Parameters

### **Sizes Available**

Small and standard sizes

### **Weight**

Survivair's mask mounted PAPR weighs only 59 ounces. The belt mounted units weigh a bit more.

### **Package Size and Volume**

Not specified

### **Power Requirements**

All Survivair PAPRs have powerful motors that provide high air flow rates, which exceed the NIOSH requirements for loose and tight fitting headpieces. All PAPRs feature long-lasting battery packs with trouble-free recharging. Battery packs feature a quick-connect power cord and auto-reset fuse, and a rated 8 h life to last a full work shift.

### **Material Type**

Choice of silicone full facepiece, silicone half mask, or Tyvek® single bib hood

### **Construction Type**

Not specified

### **Color**

Not specified

## Logistical Parameters

### **Ease of Use**

Single bib hood covers neck and collar area, providing splash/overspray/skin absorption protection and easy wearer cleanup. Single bib hood fits persons with facial hair or prescription glasses; the only alternative to tight-fitting facepieces. Single bib hood easily accommodates a hard hat when head protection is required. Belt mounted battery pack and blower/filter assembly are designed to ride comfortably on the wearer's hip, thus taking the weight off the facepiece.

### **Consumables**

Not specified

### **Maintenance Requirements**

Not specified

### **Shelf Life**

Not specified

### **Transportability**

Not specified

### **Operational Limitations**

Not specified

### **Environmental Conditions**

Not specified

### **Unit Cost**

Not specified

### **Maintenance Cost**

Not specified

### **Warranty**

Not specified

### **Don/Doff Information**

Not specified

### **Use/Reuse**

Not specified

### **Launderability**

Not specified

### **Accessories**

All full facepieces come standard with a speaking diaphragm to enhance wearer communication. Optional 5 unit and 10 unit chargers available as accessories.

## Special Requirements

### **Training Requirements**

Not specified

### **Training Available**

Not specified

### **Manuals Available**

Not specified

### **Surveillance Testing**

Not specified

### **Requirements**

### **Support Equipment**

Not specified

### **Testing Information**

Not specified

### **Applicable Regulations**

Not specified



# WORKING DRAFT

**Health Hazards**

Not specified

**Communications Interface  
Capability**

All full facepieces come standard with a speaking diaphragm to enhance  
wearer communication

**EOD Compatibility**

Not specified